

Appl. No. 10/708,601
Amdt. dated August 08, 2006
Reply to Office action of June 12, 2006

Amendments to the Specification:

Please replace paragraph 0014 with the following amended paragraph:

Please refer to Fig.1. Fig.1 is a block diagram of contents of a memory 2 of an electronic
5 device according to the present invention. The memory 2 stores a plurality of software
application programs 4 and application data used in the software application programs 4
is stored in a plurality of sections 10 of the memory 2. For example, the section 10 of the
memory 2 labeled "section 1" corresponds to the software application program 4 labeled
"software application data program 1". Therefore, application data stored in the section
10 of the memory 2 labeled "section 1" is used by the software application program 4
labeled "software application data program 1". Examples of the software application
programs 4 include a phonebook function or a calendar function of a mobile phone. In
addition, the present invention also embeds an error checking algorithm 6 and a data
managing function 8 inside each software application program 4. Each time one of the
15 software application programs 4 is started, the error checking algorithm 6 is automatically
run to detect any errors in the application data accessed by the software application
program 4. If no errors are found, then the software application program 4 operates
normally. Take the application data stored in the section 10 of memory 2 labeled "section
1" as example. If the error checking algorithm 6 in the software application program 4
20 labeled "software application data program 1" detects an error in its application data, the
data managing function 8 will erase the application data and reset the corresponding
section 10 of the memory 2 to its initial status. No other sections 10 of the memory 2 are
reset if only the application data used by the "software application data program 1" is
erroneous. In other words, it is not necessary to erase the application data for every
25 software application program 4 used in the electronic device, as was necessary in the
prior art.